

PATENT

14045

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	)	Group Art Unit: to be assigned
	)	
REHM, Jason E. et al.	)	Examiner: to be assigned
	)	
Serial No.: to be assigned	)	
	)	
Filed: September 16, 2003	)	
	)	
For: Composite Polymer Microfluidic	)	
Control Device	)	Pasadena, California

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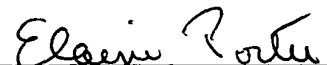
**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached with this Information Disclosure Statement is one PTO-1449 form listing documents believed relevant to the above-identified application. It is respectfully requested that these documents be considered by the Examiner and an initialed copy of each form be returned to the undersigned. It should be noted the word "prior" has been deleted from the form.

"EXPRESS MAIL" mailing label number EV 247107226 US      Date of Deposit September 16, 2003  
I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

  
\_\_\_\_\_  
Signature

ELAINE PORTER  
\_\_\_\_\_  
Typed or Printed Name of Person Mailing Paper or Fee

It is believed that this disclosure complies with the requirements of 37 C.F.R. 1.56 and the Manual of Patent Examining Procedures Section 707.05 (b). If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

A copy of each document is enclosed. Some of the documents may have markings thereon. No significance is meant to be attached to the markings. These documents are not necessarily analogous art.

Respectfully submitted,

SHELDON & MAK  
a Professional Corporation

Date: September 16, 2003

By



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<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use Several sheets if necessary)</i>		Docket Number 14045		Application Number to be assigned				
		Applicant(s) REHM, Jason E. et al.						
		Filing Date September 16, 2003			Group Art Unit to be assigned			
<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL*	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	A	3,661,166	05/09/1972	Dickason	137	269		
	B	5,334,310	08/02/1994	Frechet et al.	210	198.2		
	C	5,400,824	03/28/1995	Gschwendtner et al.	137	625.28		
	D	5,649,423	07/22/1997	Sniegowski	60	531		
	E	5,885,470	03/23/1999	Parce et al.	216	33		
	F	5,927,325	07/27/1999	Bensaoula et al.	137	599		
	G	6,076,555	06/20/2000	Hettinger	137	625.69		
	H	6,136,171	10/24/2000	Frazier et al.	204	450		
	I	6,136,212	10/24/2000	Mastrangelo et al.	216	49		
	J	6,238,538	05/29/2001	Parce et al.	204	600		
	K	6,279,606	08/28/2001	Hunnicutt et al.	137	543.19		
	L	6,283,440	09/04/2001	Evans	251	11		
	M	6,284,072	09/04/2001	Ryan et al.	156	59		
	N	6,290,685	09/18/2001	Insley et al.	604	317		
	O	6,293,308	09/25/2001	Hettinger	137	625.5		
	P	6,302,134	10/16/2001	Kellogg et al.	137	74		
	Q	6,408,878	06/25/2002	Unger et al.	137	597		
	R	6,488,872	12/03/2002	Beebe et al.	264	31		
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	N
	S							
	T							
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
	U	Beebe, David J. et al., "Functional hydrogel structures for autonomous flow control inside microfluidic channels," <u>Nature</u> , 404:588-590 (April 2000)						
	V	Lungu, Adrian et al., "Solid state studies on the effect of fillers on the mechanical behaviour of photocured composites," <u>Polymer</u> , 39(20):4757-4763 (1998)						
	W	Provin, Christophe et al., "Complex Ceramic-Polymer Composite Microparts Made by Microstereolithography," <u>IEEE</u> , 25(1):59-63 January (2002)						
	X	Rehm, J.E. et al, "Mobile Flow Control Elements For High-Pressure Micro-Analytical Systems Fabricated Using <i>In-Situ</i> Polymerization," <u>uTAS</u> , 227-229 (October 2001)						
EXAMINER				DATE CONSIDERED				
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

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*EXAMINER INITIAL*	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	A	6,523,560	02/25/2003	Williams et al.	137	14		
	B	6,533,366	03/18/2003	Barron et al.	303	113.1		
	C	6,540,203	04/01/2003	Hunnicut	251	26		
	D	2001/0008212	07/19/2001	Shepodd et al.	204	451		
	E	2001/0055812	12/27/2001	Mian et al.	436	45		
	F	2002/0017487	02/14/2002	Huang	210	635		
	J	2002/0022261	02/21/2002	Anderson et al.	435	287.2		
	K	2002/0025529	02/28/2002	Quake et al.	435	6		
	L	2002/0054252	05/09/2002	Ishii et al.	349	106		
	M	2002/0058332	05/16/2002	Quake et al.	435	288.3		
	N	2002/0067992	06/06/2002	Bridger et al.	417	53		
	O	2002/0170668	11/21/2002	Beebe et al.	156	307.3		
	P	2002/0194909	12/26/2002	Hasselbrink, Jr. et al.	73	253		
	Q	2003/0015682	01/23/2003	Killeen et al.	251	368		
	R	2003/0057391	03/27/2003	Krulevitch et al.	251	11		
	S	2003/0062734	04/03/2003	Faris	294	64.1		
<b>FOREIGN PATENT DOCUMENTS</b>								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	N
	T							
	U							
<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>								
	V	Shoji, Shuchi et al., "Microflow devices and systems," <u>J. Micromech. Microeng.</u> , 4:157-171 (1994)						
	W	Unger, Marc A. et al., "Monolithic Microfabricated Valves and Pumps by Multilayer Soft Lithography," <u>Science</u> , 288:113-116 (April 2000)						
	X							
	Y							
	Z							
EXAMINER				DATE CONSIDERED				
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